



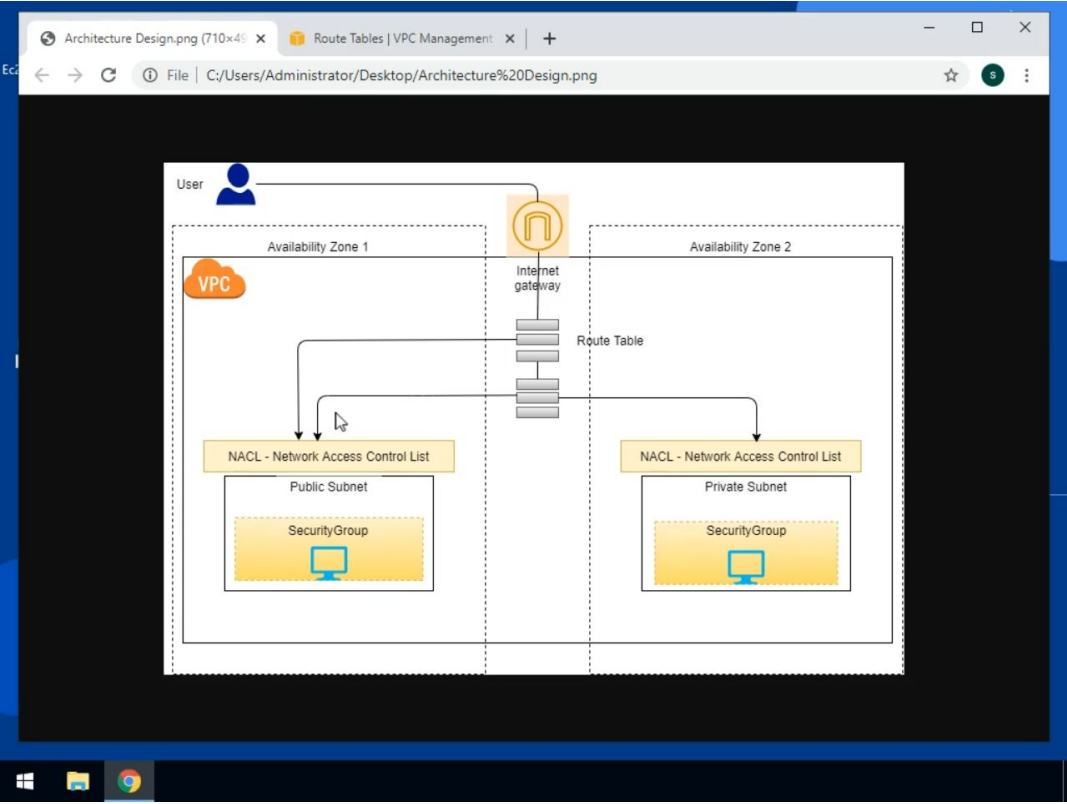
# Coursera - Create your first custom VPC and its components in AWS

Generated on December 12, 2023

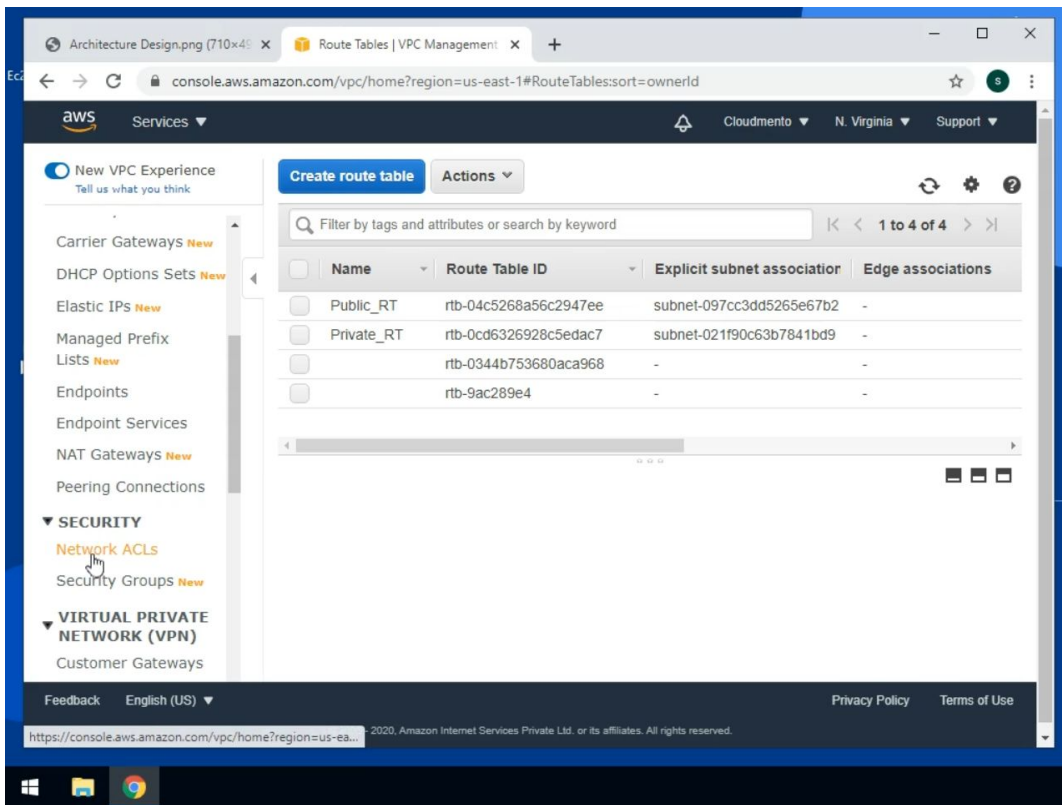
## Summary

Notes	Screenshots	Bookmarks
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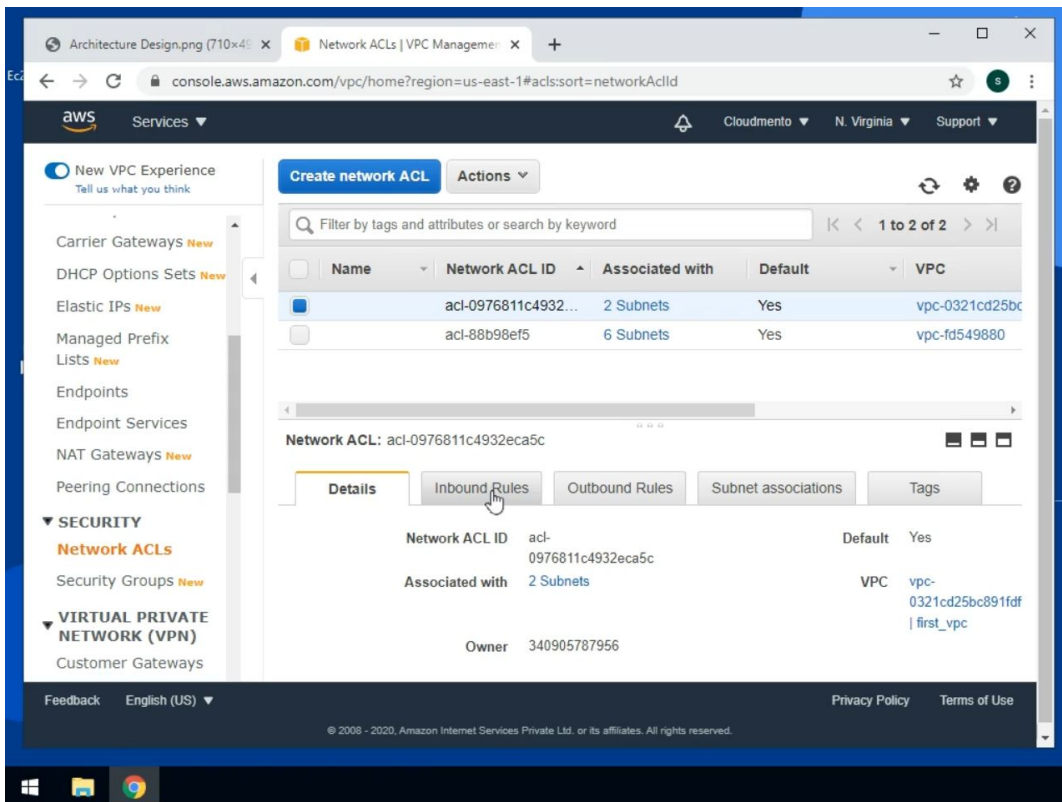
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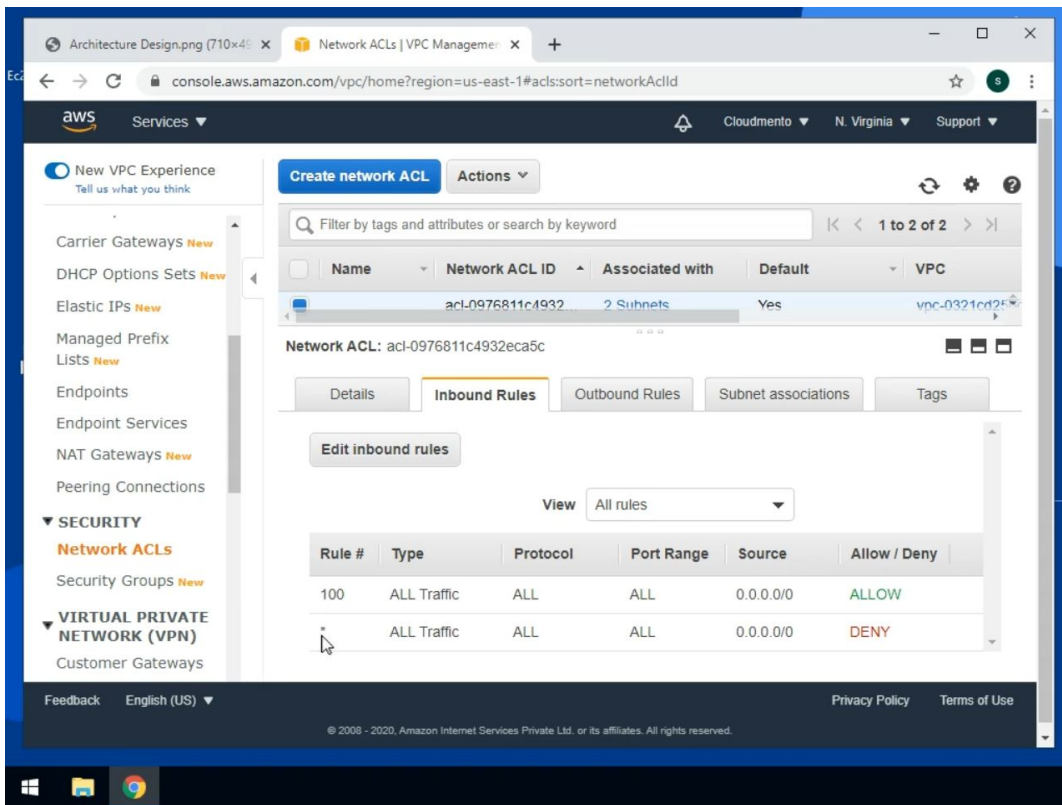
▶ 0:03



0:44



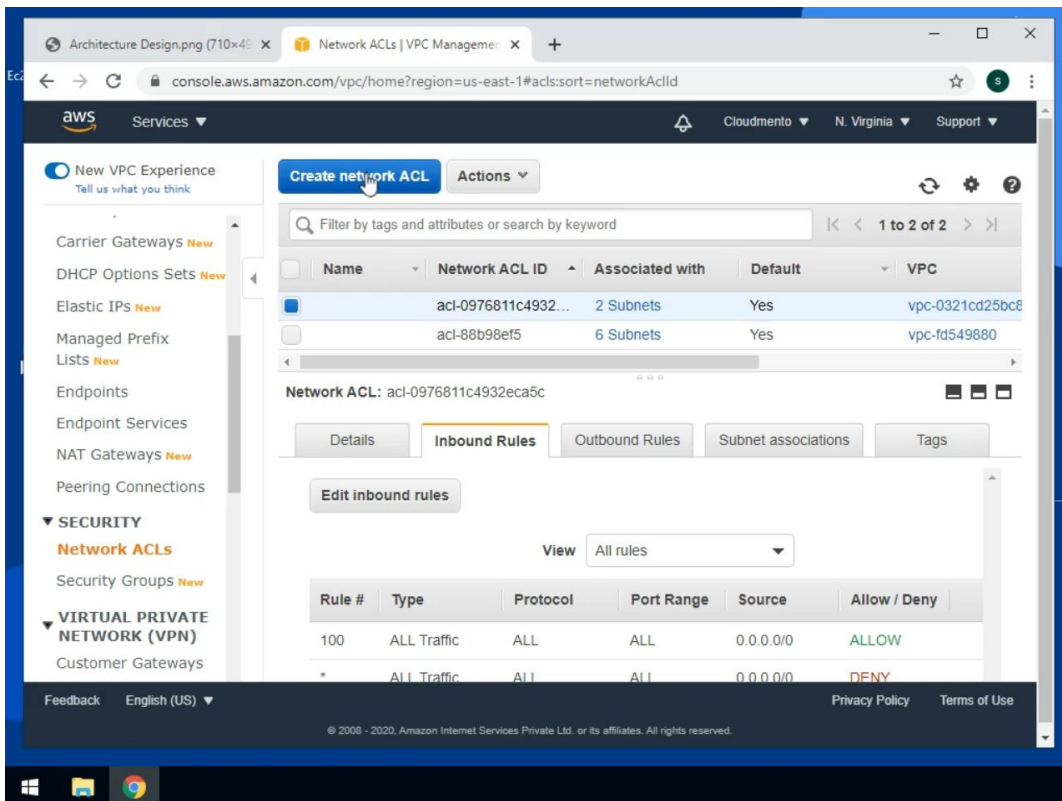
1:09



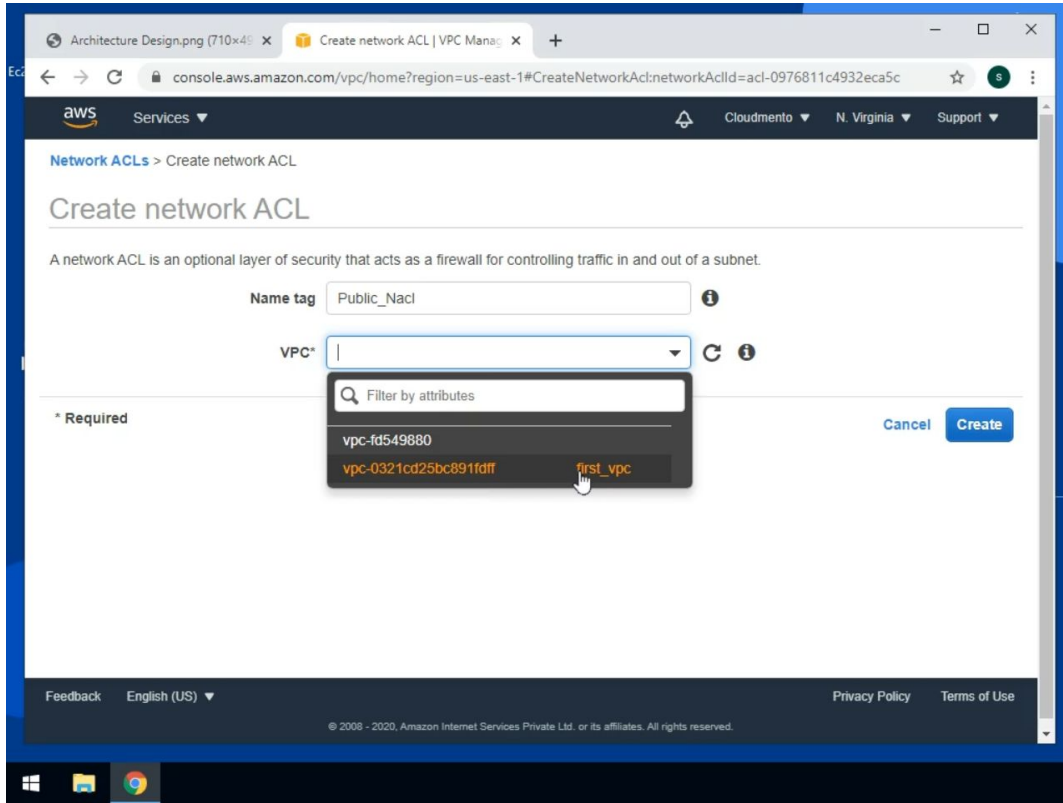
▶ 1:28

review

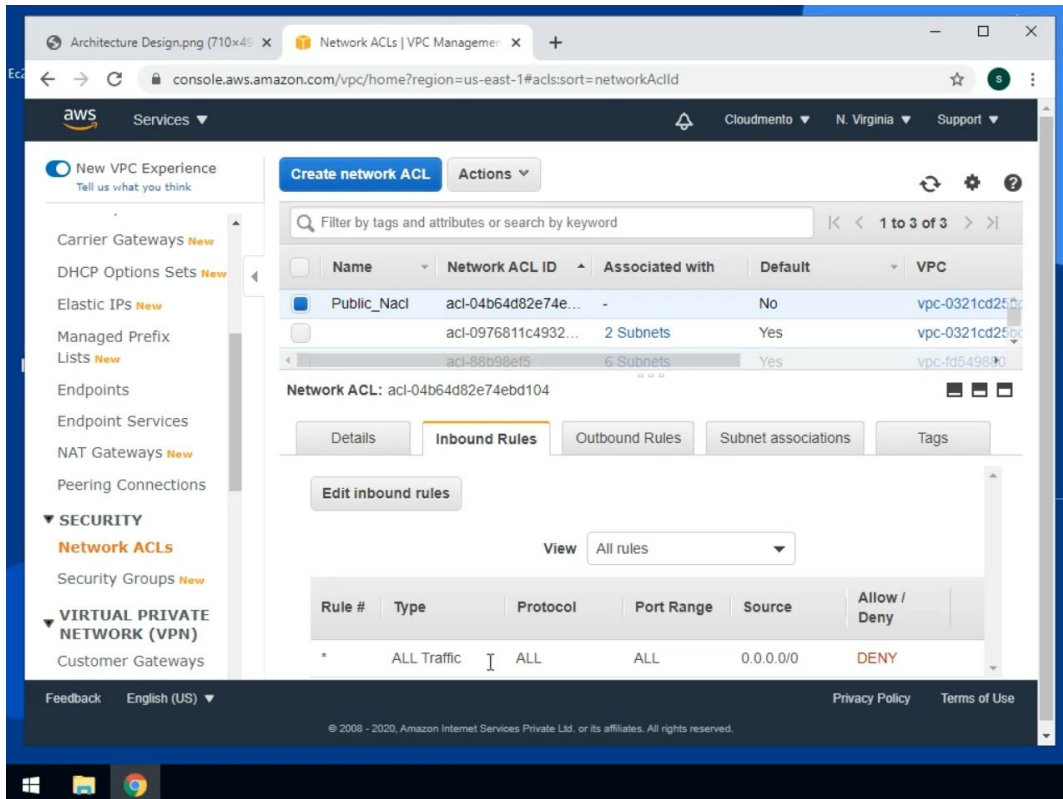
▶ 1:32



2:07



2:23



▶ 2:40

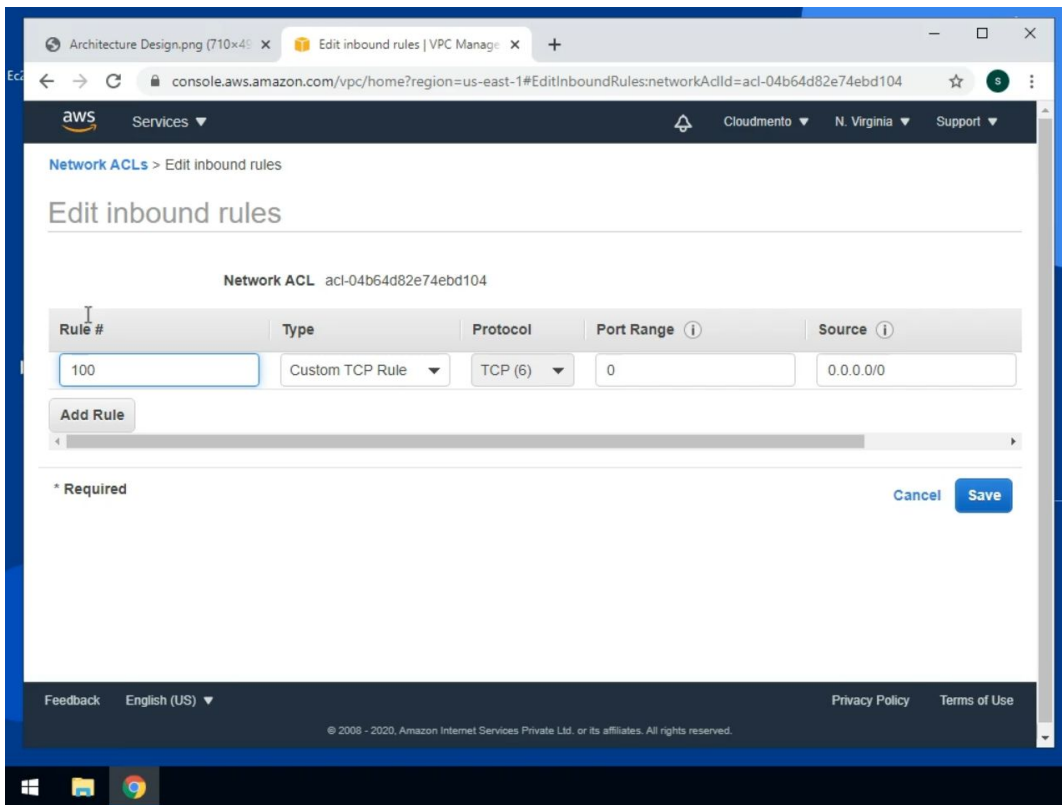
The screenshot shows the AWS Management Console for Network ACLs in the us-east-1 region. The 'Public\_Nacl' (acl-04b64d82e74ebd104) is selected. The 'Inbound Rules' tab is active, showing a table with one rule that denies all traffic.

Rule #	Type	Protocol	Port Range	Source	Allow / Deny
*	ALL Traffic	ALL	ALL	0.0.0.0/0	DENY

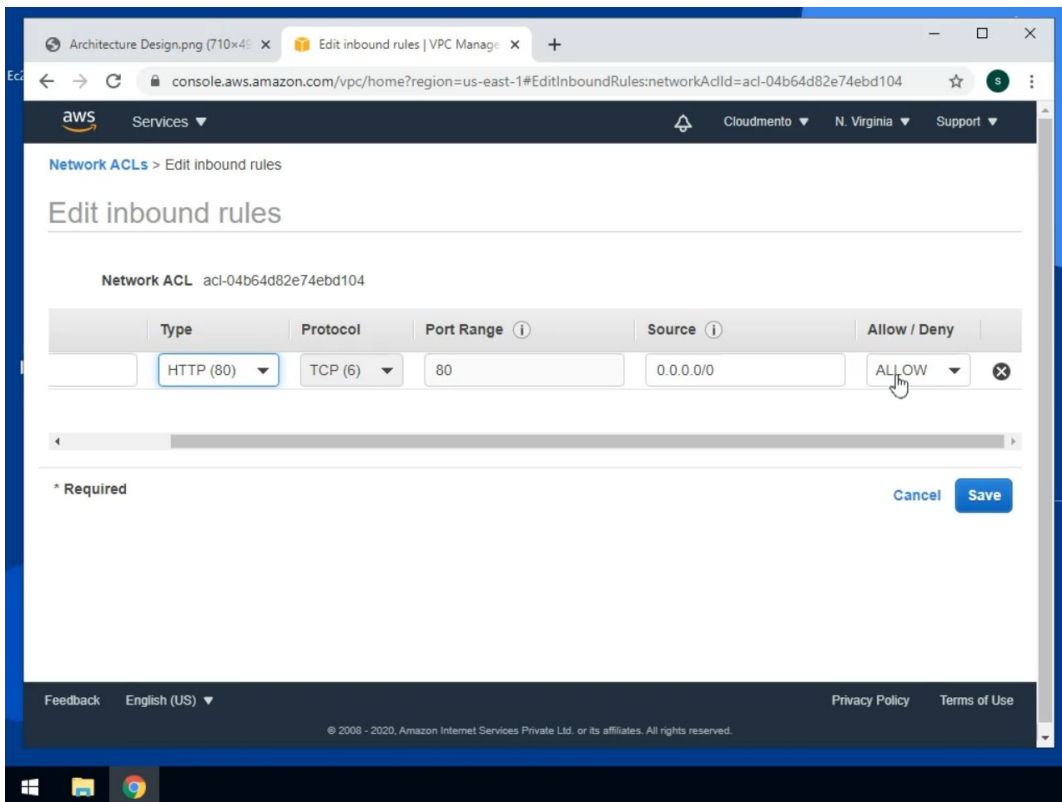
▶ 2:50

for public we will allow http and rdp traffic

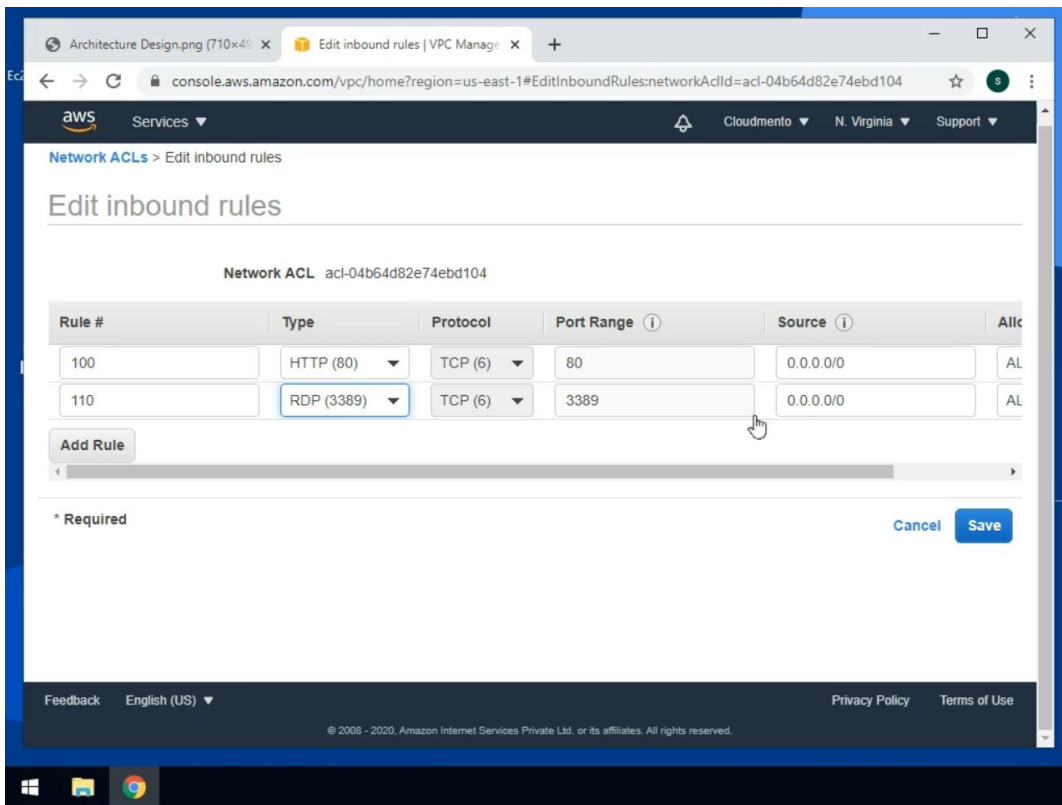
▶ 2:50



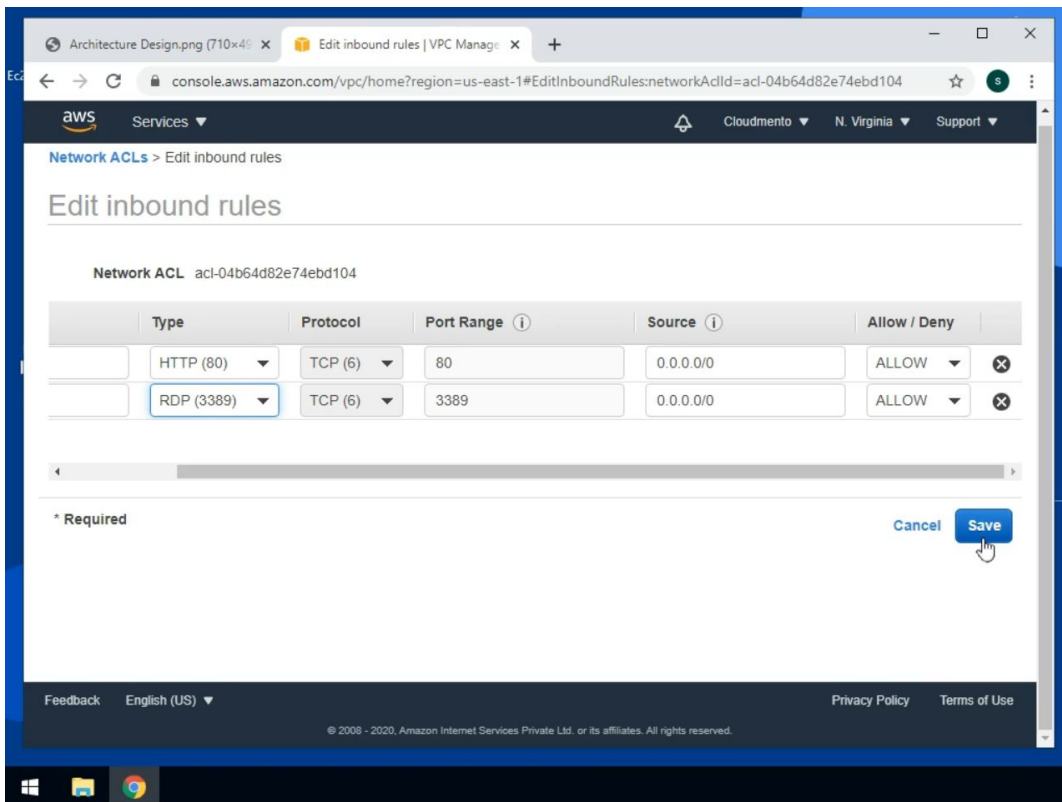
2:58



3:09

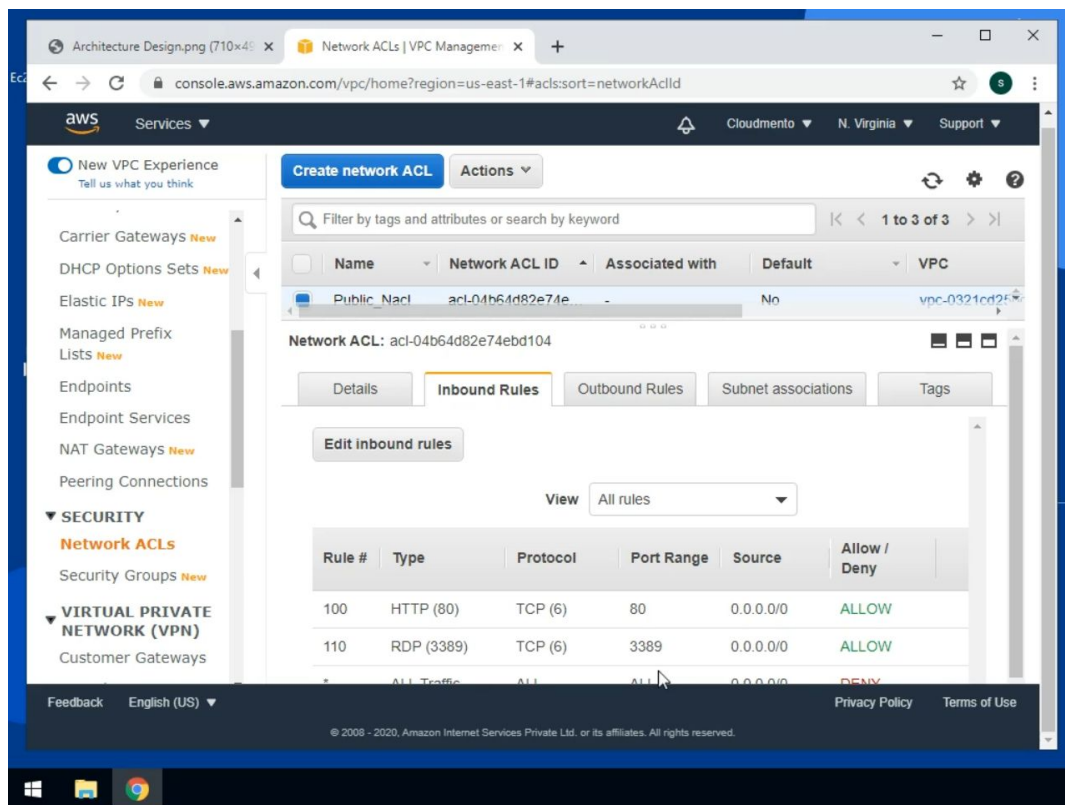


▶ 3:25



▶ 3:29



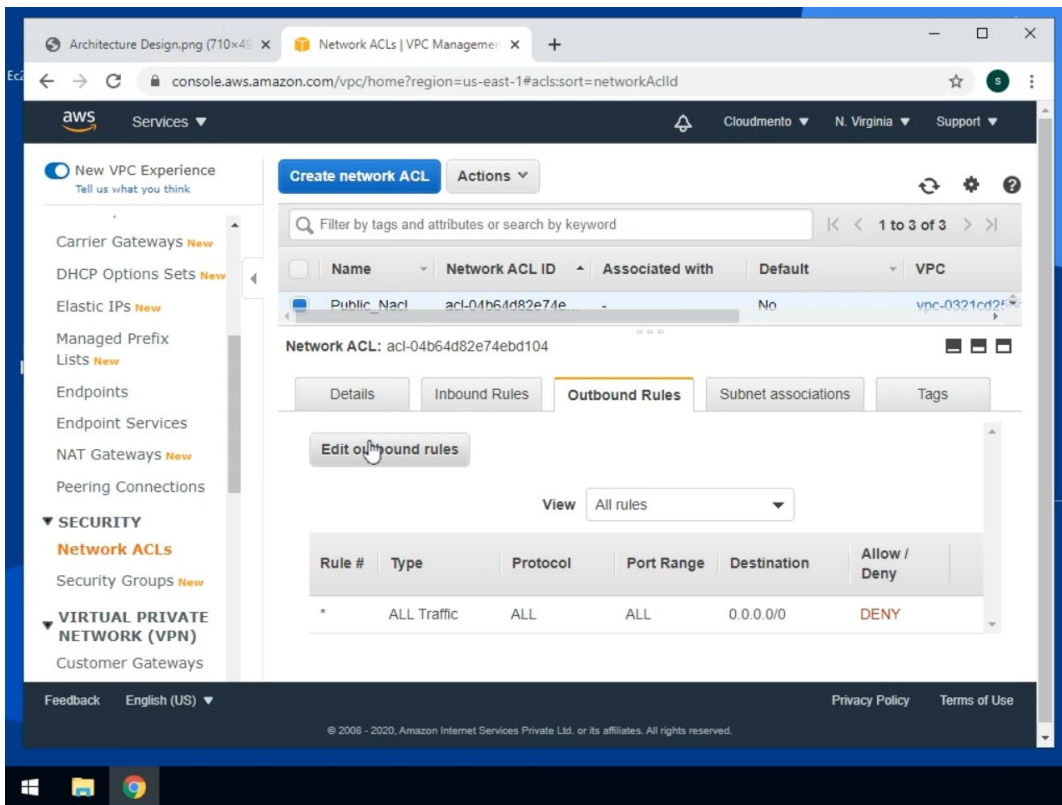


▶ 3:58

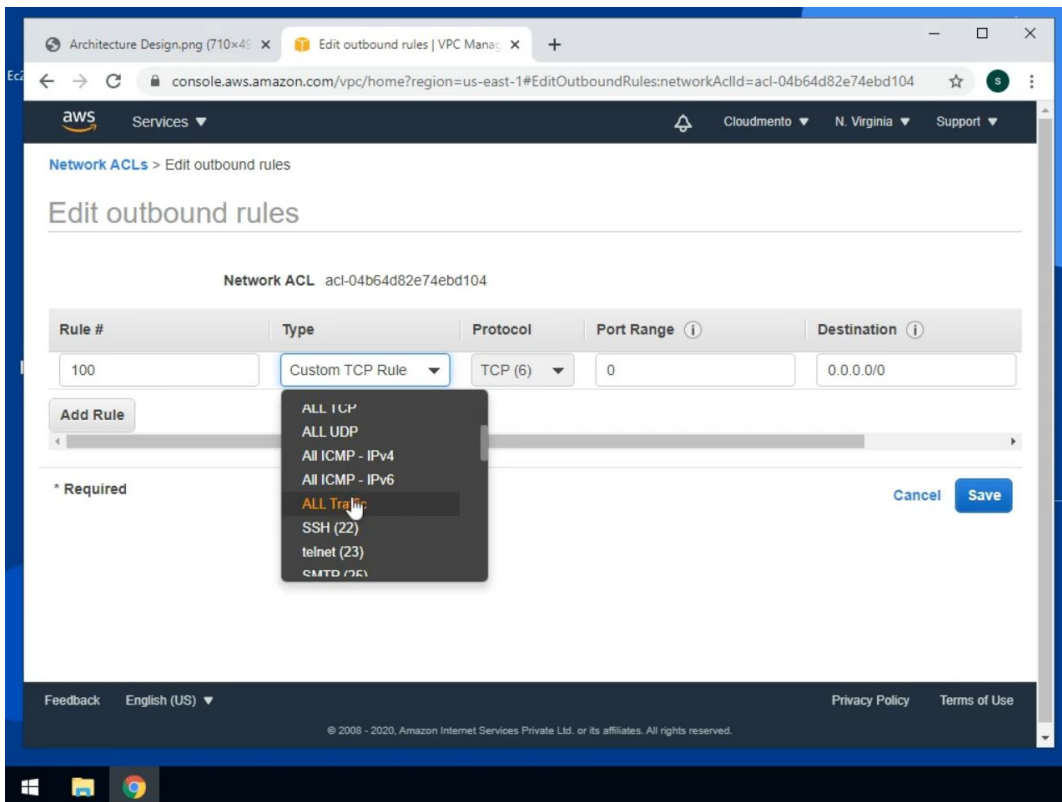
NACL are stateless that means if we have not configure the outbound rules the traffic would not be allow or deny so we will define the outbound rules for the public NACL

▶ 4:17

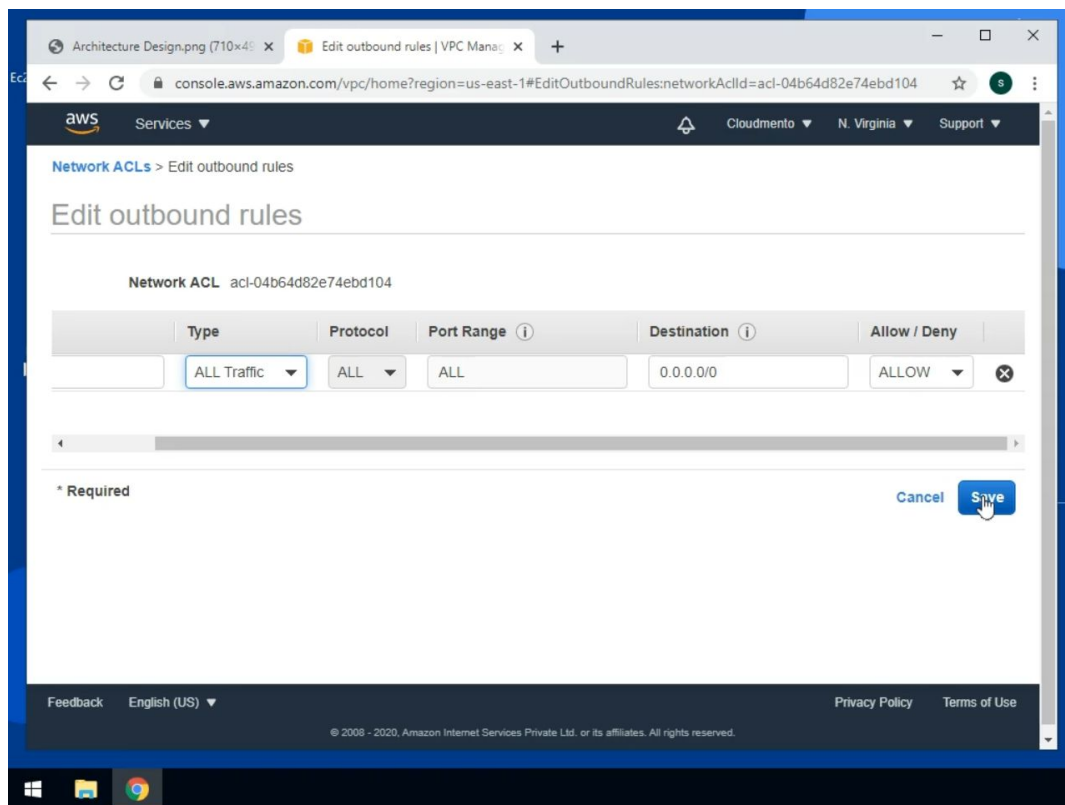




4:34



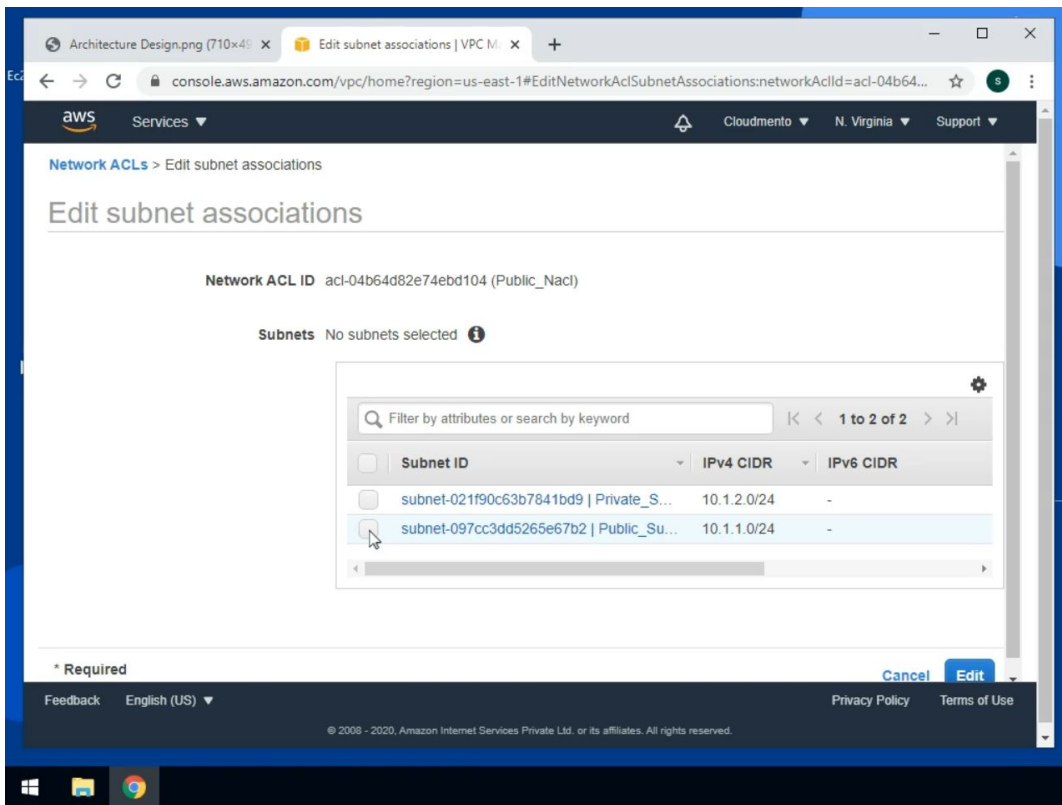
4:49



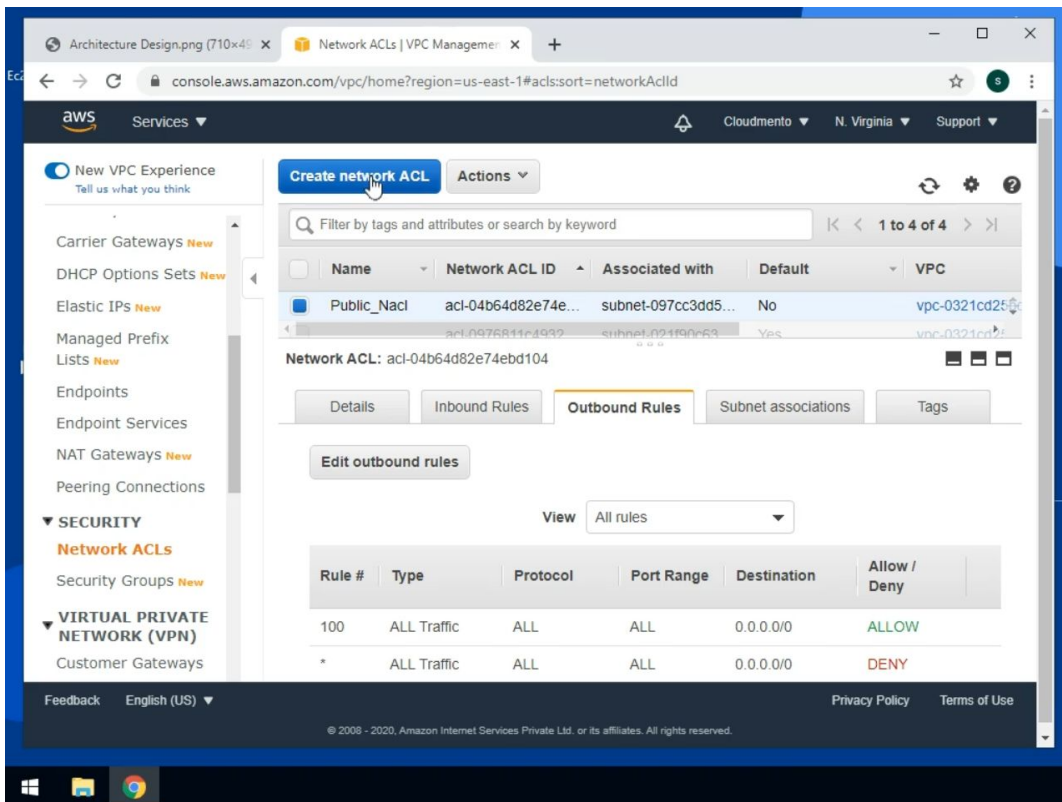
▶ 4:53

after configuring inbound and outbound rules  
we will attach our subnet with NACL

▶ 5:07



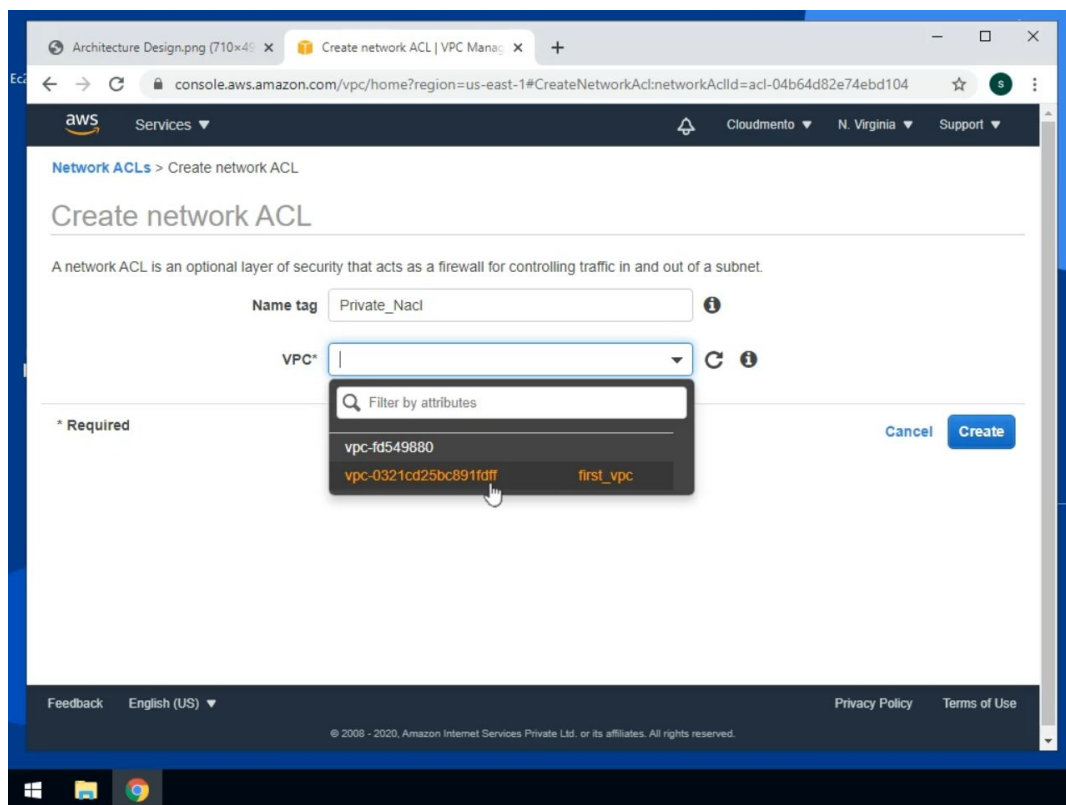
5:17



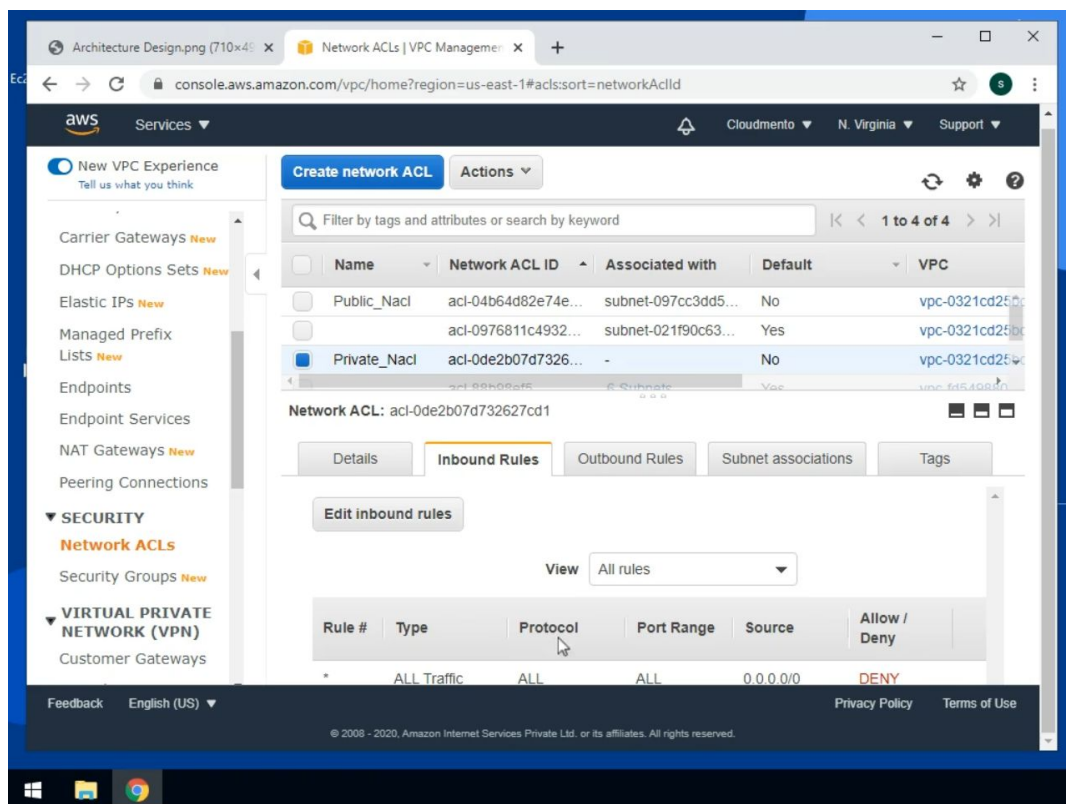
5:32

now we will create private NACL

5:32



5:44



6:06

The screenshot shows the AWS VPC console interface. The left sidebar contains navigation links for various services, with 'SECURITY' and 'Network ACLs' highlighted. The main content area displays the 'Create network ACL' page for the 'Private\_Nacl' (acl-0de2b07d732627cd1). The 'Inbound Rules' tab is selected, showing a table with one rule that denies all traffic from 0.0.0.0/0. The 'Edit inbound rules' button is visible above the table.

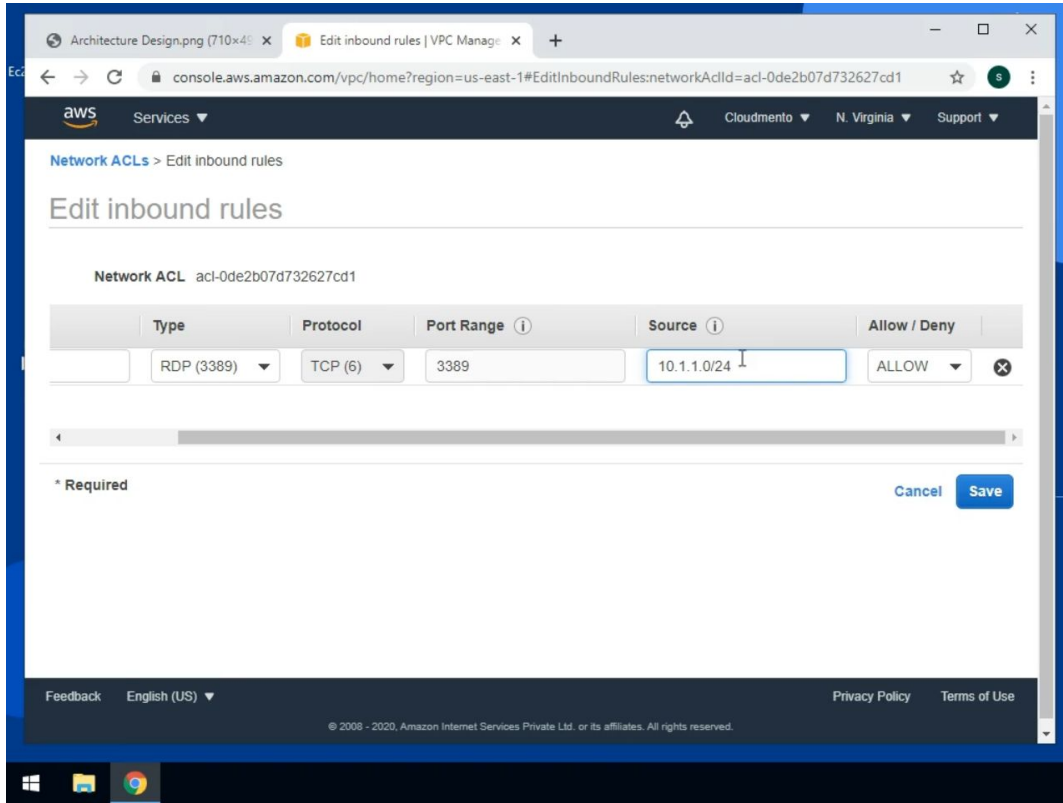
Rule #	Type	Protocol	Port Range	Source	Allow / Deny
*	ALL Traffic	ALL	ALL	0.0.0.0/0	DENY

6:08

The screenshot shows the 'Edit inbound rules' page for the 'Private\_Nacl'. The 'Add Rule' button has been clicked, and a dropdown menu is open for the 'Type' field. The dropdown lists various protocols and ports, with 'MySQL/Aurora (3306)' selected. The 'Rule #' field is set to 100, the 'Protocol' is set to TCP (6), and the 'Port Range' is set to 0. The 'Source' field is set to 0.0.0.0/0. The 'Save' button is visible at the bottom right.

Rule #	Type	Protocol	Port Range	Source
100	Custom TCP Rule	TCP (6)	0	0.0.0.0/0

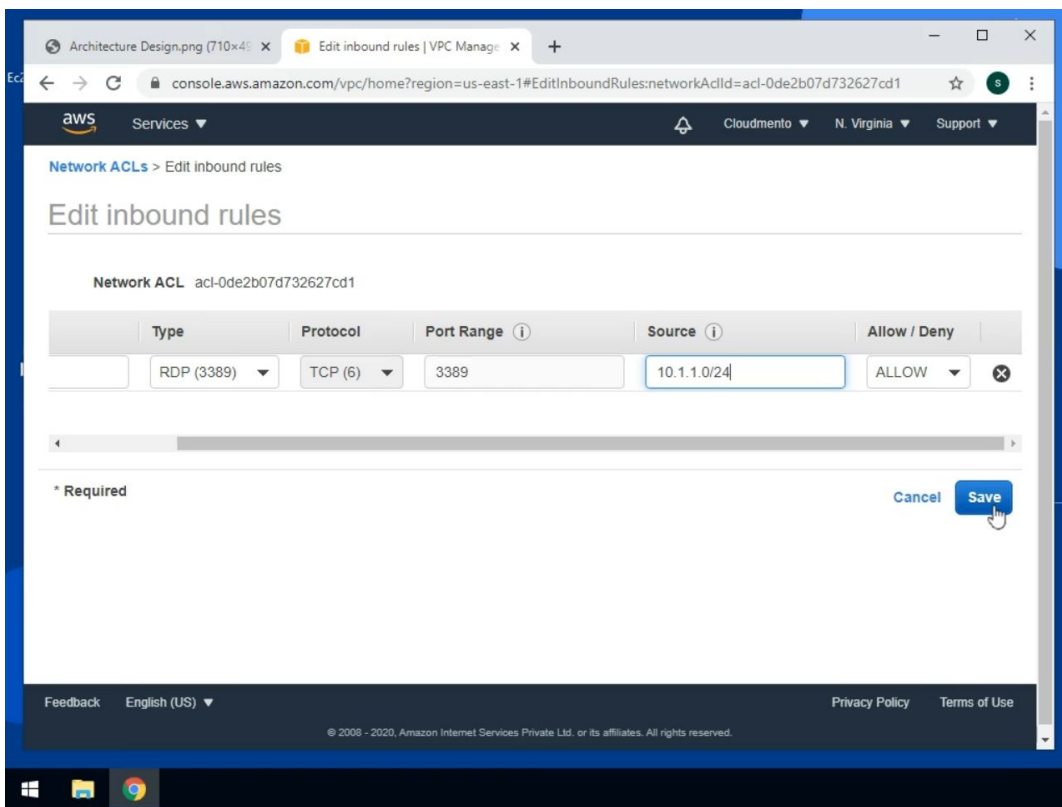
▶ 6:19



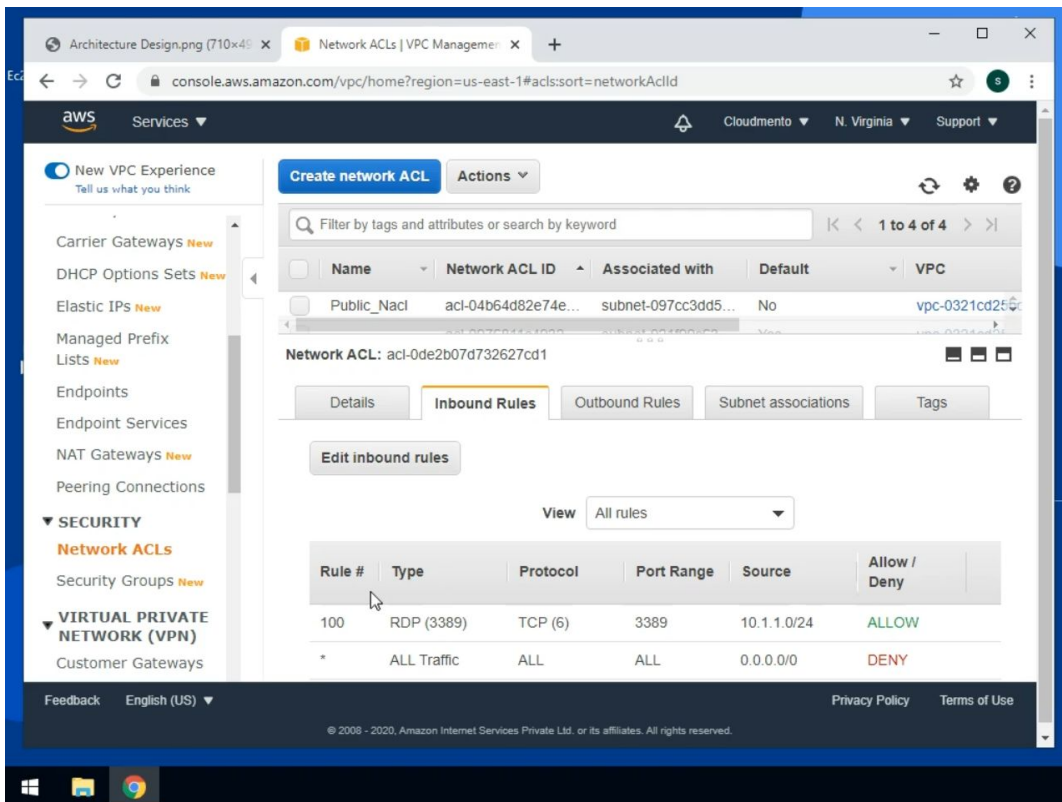
▶ 6:30

we will add IP address of public subnet ..  
this way we will connect public subnet and  
private subnet together

▶ 6:31



6:32



6:40

from now any RDP request or we also can add HTTP

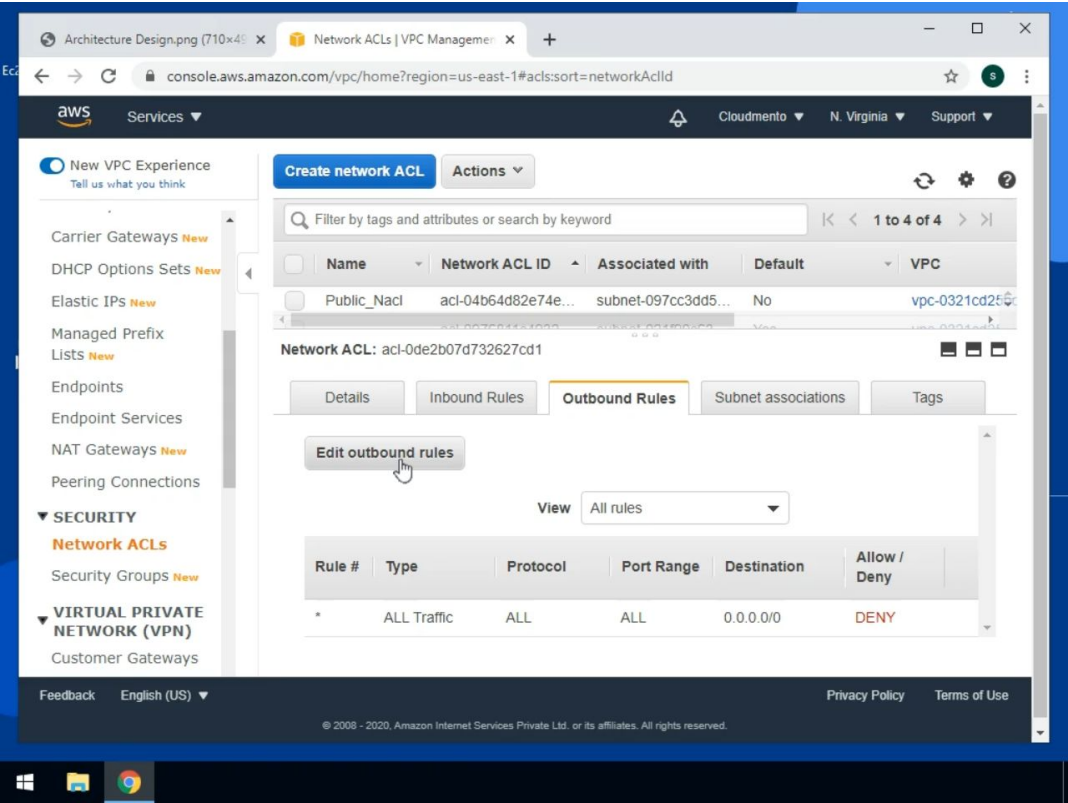


request from public-subnet will be allow

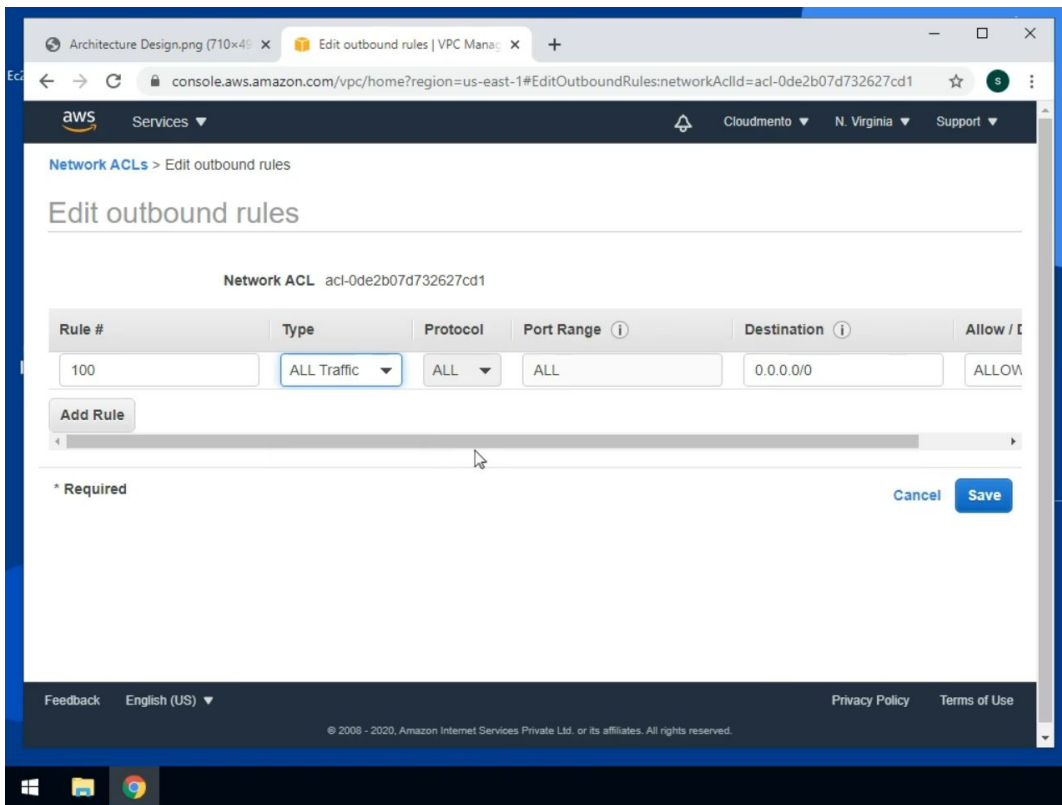
▶ 6:40

and to get the response back we will configure  
the outbound rules

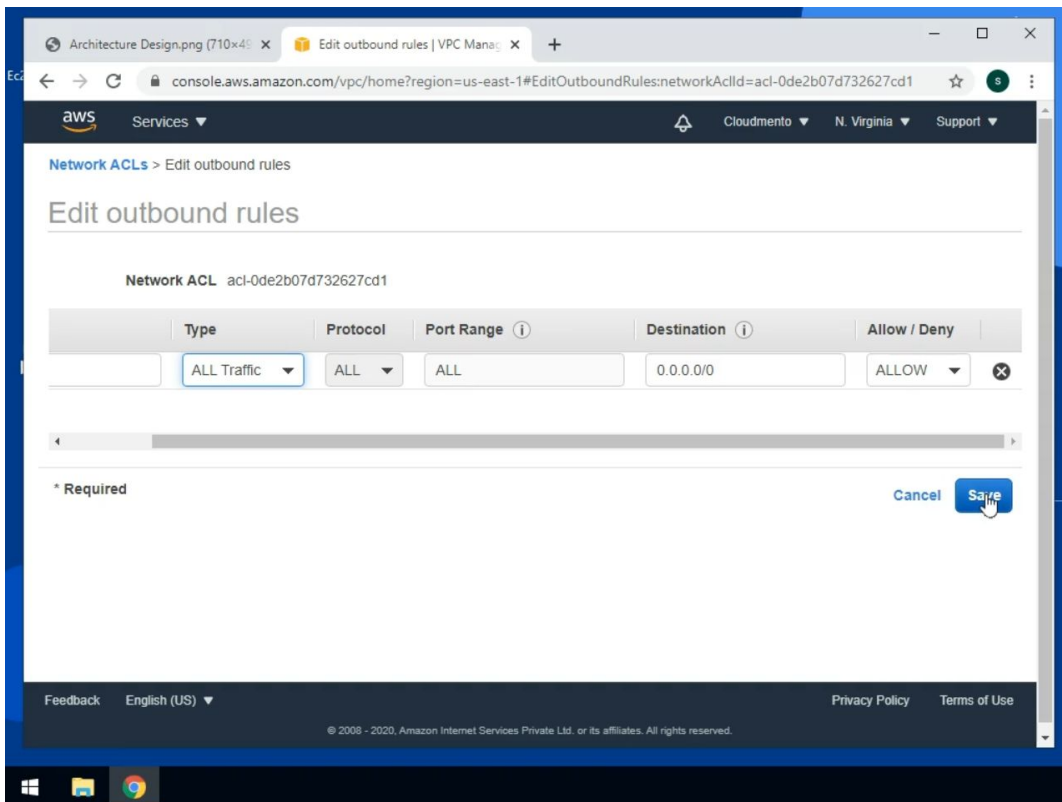
▶ 6:43



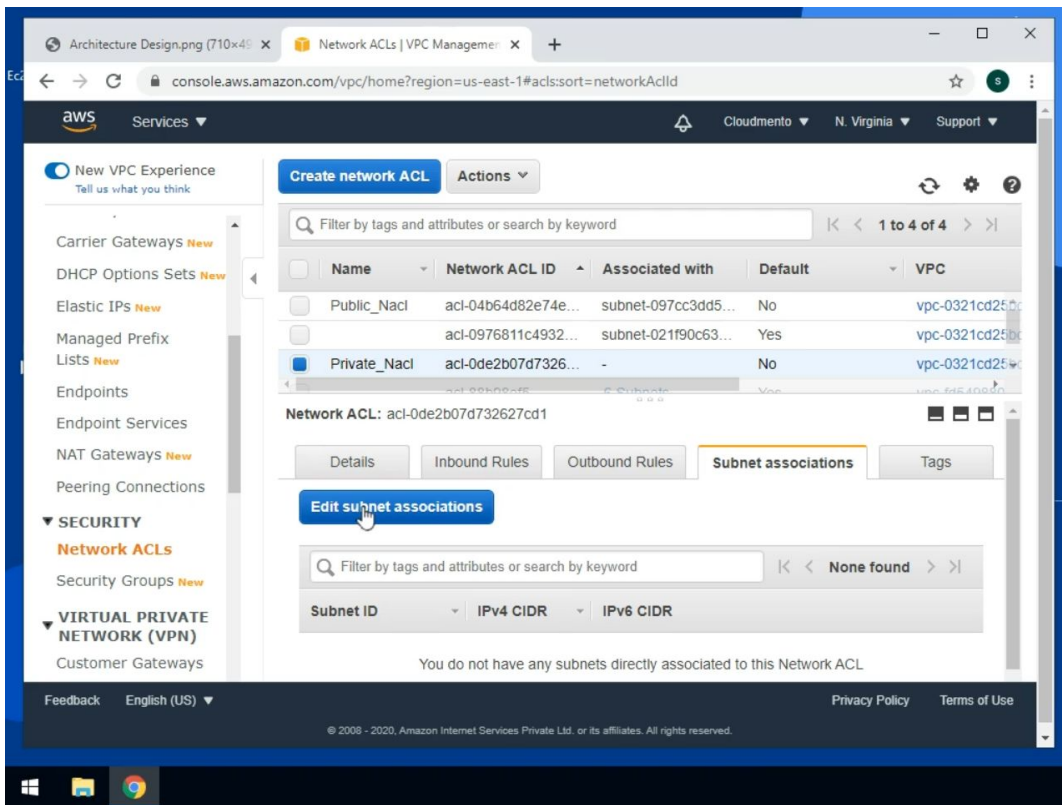
▶ 6:47



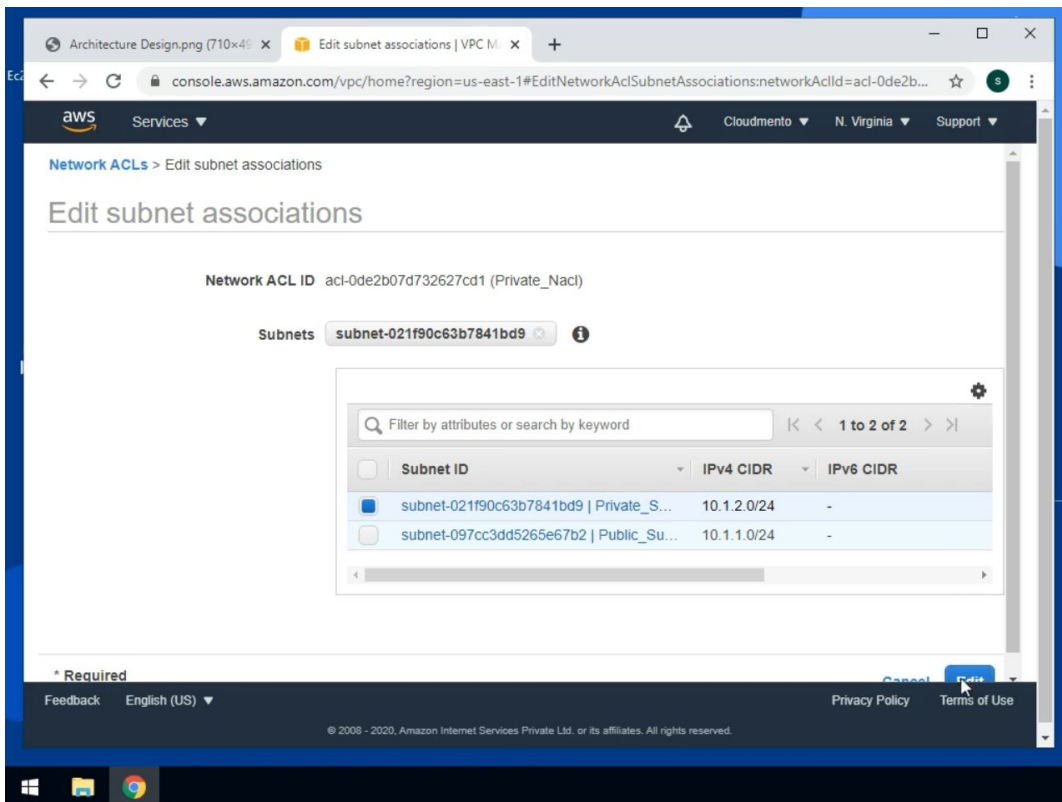
6:57



7:00



7:09



7:16

Architecture Design.png (710x400) x Network ACLs | VPC Manager x

console.aws.amazon.com/vpc/home?region=us-east-1#acls:sort=networkAclId

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New VPC Experience Tell us what you think

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Endpoints  
Endpoint Services  
NAT Gateways New  
Peering Connections

▼ SECURITY  
Network ACLs  
Security Groups New

▼ VIRTUAL PRIVATE NETWORK (VPN)  
Customer Gateways

Create network ACL Actions

Filter by tags and attributes or search by keyword |< < 1 to 4 of 4 > >|

<input type="checkbox"/>	Name	Network ACL ID	Associated with	Default	VPC
<input type="checkbox"/>	Public_Nacl	acl-04b64d82e74e...	subnet-097cc3dd5...	No	vpc-0321cd25f...
<input type="checkbox"/>		acl-0976811c4932...	-	Yes	vpc-0321cd25f...
<input checked="" type="checkbox"/>	Private_Nacl	acl-0de2b07d7326...	subnet-021f90c63...	No	vpc-0321cd25f...

Network ACL: acl-0de2b07d732627cd1

Details Inbound Rules Outbound Rules Subnet associations Tags

Edit subnet associations

Filter by tags and attributes or search by keyword |< < 1 to 1 of 1 > >|

Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-021f90c63b...	10.1.2.0/24	-

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